SAVITSKAYA, E.K.

USSR/Microbiology - Medical and Veterinary.

F-4

Abs Jour

: Ref Zhur - Biologiya, No 7, 1957, 26406

Author

Ishchenko-Linnik, K.M., Khotimaskaya, B.Z., Parkhomenko,

L.I., Savitskaya, E.K.

Inst

: Kharkov Scientific Reaearch Institute of Vaccines and

Sera

Title

The Etiological Structure of Dysentery

Orig Bub

: Sb. tr. Kahr'kovsk. n.-i. in-ta vaktsin i syvorotok,

1955, 22, 7-12

Abst

: Studies conducted in 1948-1952 revealed the growth of implantability of dysentery bacteria among dysentery patients, convalescents, and exposed individuals. In 1950-1952, Grigoryev-Shig bacteria were entirely absent, while the proportion of Sonne bacteria increased from 2% in 1948 to 23% in 1952. The proportion of Flexner bacteria fell from 86.3% in 1948 to 59.2-68% in 1952. The type distribution among Flexner bacteria

Card 1/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001447410009-1"

-USSR/Microbiology - Medical and Veterinary.

F-4

Abs Jour : Ref Zhur - Biologlya, No 7, 1957, 26406

showed no changes, and V and W serotypes predominated. An increase in the implantability of Newcastle bacteria is noted. A decrease in the implantability of Flexner bacteria in summer and autumn months is noted, accompanied by a growth of the transmissibility of Sonne bacteria. Chronic dysentery patients give evidence of Sonne bacteria 3 times less frequently than acute cases. This fact suggests a dominant role of Flexner bacteria in the development of acute forms.

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001447410009-1"

KROL*, B.B.; ROZHDESTVENSKAYA, A.A.; KUCHERYAVAYA, N.N.. Prinimali uchastiye: SAVITSKAYA, G.A.

Studying the sulfur compounds in transformer oil. Khim. i tekhr topl. i masel 9 no.5:39-43 5 My 64 (MIRA 17:7)

1. Vsesoyuznyy nauchmo-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva (for all except Savitskaya).

TSEERIK, Mikhail Semenovich, kand. Ciz.-mat. nauk, dots.; BIRICH,
Yevgeniya Vasil'yevna; MAKEYEVA, Galina Pavlovna;
SAVITSKAYA, Inessa Fedorovna; VEREVKINA, N.M., red.;
KOLCHANOVA, A.K., red.

[Graphs in physics] Fizika v grafikakh. [By] E.S.TSedrik
i dr. Minsk, Vysshaia shkola, 1964. 258 p.

(MIRA 17:6)

CIA-RDP86-00513R001447410009-1 "APPROVED FOR RELEASE: 03/14/2001

sov/32-25-6-2/53

5(4) AUTHORS: Savitskaya, I. S., Songina, O. A.

TITLE:

On the Characteristic Features of the Method of Amperometric Titration With Two Indicator Electrodes (Ob osobennostyakh metoda amperometricheskogo titrovaniya s dvumya indikatornymi

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 6, pp 647 - 653 (USSR)

ABSTRACT:

The present paper gives a description of the new method, that had been already suggested earlier (Ref 1), of the electrometric determination of the titration end, which has been applied only recently to a greater extent abroad. Data from publications are mentioned (Ref 2) and own experimental results are given. To solve the problem of the choice of the appropriate electromotive force (emf), and also to determine the cases in which the new method may be applied, experiments were made in an appropriate system with two platinum electrodes (Fig 1, Scheme), and compared, on the basis of the usual titration method, with an indicator electrode (Table 2). The results obtained in the titration of ferrocyanide with permanganate in a 1 n sulphuric acid are shown (Figs 3,4,5, titration curves), and it was found that the amperometric titration with two

Card 1/2

On the Characteristic Features of the Method of Amperometric Titration With Two Indicator Electrodes

SOV/32-25-6-2/53

electrodes is on principle possible if the electrode process (by which a branch of the titration curve is caused) proceeds with an emf which is lower than the decomposition voltage of the background. A description is then given of the principle of zinc- and thorium titration (Refs 13,14) with ferrocyanide by precipitation, and it is stated that the principal criterion for the choice of the emf applied to the electrodes lies in the degree of reversibility of the system, occurring in the titration. The choice of the emf must proceed from the voltampere curves of those substances taking part in the titration or serving as background. This is shown for some systems (Table 1), and it is stated that in this way the course of the titration curve may be pre-determined. There are 6 figures, 2 tables, and 16 references, 3 of which are Soviet.

ASSOCIATION: Kazakhskiy gosudarstvennyy pedagogicheskiy institut (Kazakh State Pedagogical Institute)

Card 2/2

5(2)

AUTHORS:

Songina, O. A., Savitskaya, I. S.

SOV/32-25-9-2/53

TITLE:

On the Peculiarities of Some Methods of Electrometric Titra-

tion

PERIODICAL:

Zavodskaya laboratoriya, 1959, Vol 25, Nr 9, pp 1028-1033

(USSR)

ABSTRACT:

The characteristic peculiarities of the various most propagated electrometric titration methods and their variants are explained and some connections are pointed out. The main factors characterizing the methods concerned are compared. Problems of polarographic and amperometric titration are discussed among others, and the "potentiometric titration under current" (Ref 2) is explained. "Potentiometric titration methods with two electrodes at constant current intensity" are then mentioned and discussed with examples. The method (Ref 11) of the "dead stop end point" is given, and it is then ascertained that, contrary to reference 12 the conductometric titration differs in principle from the amperometric titration. The conductometric titration methods are not suitable for selective determinations, which is also true for the modern, modified conductometric

Card 1/2

On the Peculiarities of Some Methods of Electrometric Titration

titration - the so-called "high frequency titration". The potentiometric and amperometric titration methods with one and two indicator electrodes are compared in a table, and a basic scheme of the apparatus used in these titrations is given (Fig 4). There are 4 figures, 1 table, and 13 references, 4 of which are Soviet.

ASSOCIATION:

Kazakhekiy gosudarstvennyy universitet (Kazakh State University)

Card 2/2

SAVITSKAYA, I.S.; SONGINA, O.A.

Amperometric titration with two indicator electrodes (dead stop end point); survey. Zav.lab. 26 no.3:282-287 '60. (MIRA 13:6)

(Gonductometric analysis)

SONGINA, 0.A.; SAVITSKAYA, I.S.

Effect of the dimensions of cathode and anode on the shape of a curve in amperometric titration with two indicator electrodes. Zav.lab. 27 no.9:1068-1074 '61. (MIRA 14:9)

1. Kazakhskiy gosudarstvennyy universitet i Bashkirskiy gosudarstvennyy universitet. (Conductometric analysis)

SONGINA O.A.; SAVITSKAYA, I.S.

Determination of V⁴⁺ and V⁵⁺ by the method of amperometric titration with two indicator electrodes. Zav.lab. 29 no.4:401-402 '63.

(MIRA 16:5)

1. Kazakhskiy gosudarstvennyy universitet im. S.M.Kirova.

(Vanadium—Analysis) (Conductometric analysis)

SCHOINE, O.A.; SAVITERAYA, 1.3.

(HIRA 9:6)

FRINOVSKIY, V.S.,; SAVITSKAYA, L.K.

Surgical treatment of vesicovaginal fistulas. Akush. i gin. 32

no.1:46-51 Ja-F 156

1. Iz Nauchno-issledovatelskogo instituta akusherstva i ginekologii (dir.L.G. Stepanov) Ministerstva zdravookhraneniya SSSR. (FISTUIA, VESICOVAGINAL, surg.)

Surgical treatment of external endometricsis. Akush.i gin. 35 no.5:52-57 S-0 '59. (MIRA 13:2) 1. Iz otdeleniya operativnoy ginekologii (zaveduyushchiy - prof. V.S. Frinovskiy) Instituta akusherstva i ginekologii (direktor dotsent L.G. Stepanov) Ministerstva zdravockhraneniya RSFSR. (ENDOMETRIOSIS, surgery)

SAVITSKAYA, L. K., Cand Med Sci -- "External endometriosis. (Clinical diagnosis and surgical therapy)." Mos, 1961. (First Mos Order of Lenin Med Inst im I. M. Sechenov) (KL, 3-61, 264)

- 514 -

3h1\$ 5/139/61/000/0 6/010/023 E073/E535

1.4300

Savitskava, L.K. and Savintsev, P.A.

AUTHORS:

TITLE:

On the nature of contact fusion Izvestiya vysshikh uchebnykh zavedeniy, Fizika, no.6.

PERIODICAL:

The aim of the author was to investigate the

following two points during the process of contact melting a) whether after some liquid has formed, pure metals are being dissolved or whether the surface contains some layer in which solid

b) whether the process of contact melting changes if instead of

pure metals being in contact with each other, the contact is

For this purpose the fusion rate at various temperature of solid between a solid solution and a nure metal, solutions of bismuth in tin in contact with bismuth and the fusion rate of pure bismuth in contact with tin-base alloys Furthermore, the width of the region with variable concentrations of the components at the boundary between the solid crystal and the liquid was

Card 1/3

On the nature of contact fusion

34196 \$/139/61/000/306/016/023 E073/E535

investigated. The wide range of solubility in the solid state of this system permits varying within wide limits the concentration of the solid solution and studying the nature of the dependence of the process of contact fusion on concentration. Tin-base alloys containing 1, 5.5, 8.5, 17 and 19 wt.% of bismuth were used in the experiments. It was found that during the process of contact tusion of Sn with Bi a continuous series of solid solutions form at the surface of the tin which is bounding on the liquid Preliminary introduction of the bismuth in the tin reduces the thickness of the surface layer on which solid solutions form Preliminary solution of bismuth in the within the limits of the solid solution leads to an acceleration of the fusion of the tin which is in contact with the bismuth; there is an increase in the very of contact fusion with increasing concentration of the solid so strong Alloys of tin and bismuth, which were in a two-phase stand of the experimental temperatures, had a very high fusion read when in contact with bismuth, which indicates that the liquid in the is of predominant importance during contact fusion Ave S Cigures and II references; 10 Soviet-bloc and I non-Soviet-

On the nature of contact fusion

34156 5/139/61/000/006/016/023 E073/E535

The English-language reference reads as follows: Ref.9; James F. Lynch, Lester Feinstein, Robert A. Huggins. Welding Journal, No.2, 97-101 (855-895), 1959.

ASSOCIATION:

Tomskiy politekhnicheskiy institut imeni S.M.Kirova

(Tomsk Polytechnic Institute imeni S.M.Kirov)

SUBMITTED: April 3, 1961

Card 3/3

CIA-RDP86-00513R001447410009-1" APPROVED FOR RELEASE: 03/14/2001

S/139/62/000/003/019/021 E193/E383

AUTHORS: Berzina, I.G., Savitskaya, L.K. and Savintsev, P.A.

TITLE: A study of the structure of metals near the liquid/

/solid interface during contact fusion

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, no. 5, 1962, 160 - 165 + 1 plate

TEXT: When two metals which form a cutectic are brought into intimate contact and heated to a temperature lower than the melting point of other metal, but higher than the cutectic temperature, a liquid phase is formed at the plane of contact. The object of the present investigation was to study the The object of this phenomenon. The experiments were conducted on mechanism of this phenomenon. The experiments were conducted on Sn-Bi, Sn-Cd and Cd-Zn couples. Cylindrical specimens, prepared by drawing molten metals into glass tubes, were used with the contact surfaces made flat by polishing. The technique contact surfaces made flat by polishing. The technique described by P.A. Savintsev and A.V. Vyatkina (Izv. vuzov SSSR, described by P.A. Savintsev and A.V. Vyatkina (Izv. vuzov SSSR, contact fusion, the holding temperatures of 150 and 280 C being used for the Sn-Bi and Cd-Zn couples, respectively. Metallographic Card 1/2

A study of

5/139/62/000/003/019/021 E193/E383

examination and measurements of microthermo-e.m.f. (in the plane normal to the plane of contact) were used to study the structural changes preceding and accompanying the formation of the liquid phase. Several conclusions were reached.

- 1) The formation of a liquid phase at the plane of contact of two solid metals A and B does not take place until a layer of a saturated solid solution (A in B and B in A) has been formed on each contact surface, further dissolution of A and B in the layer of the liquid phase being also preceded by the same process.
- 2) The rate at which the liquid phase is formed is fastest in the grain-boundary regions.
- 5) Contact fusion can be used to reveal the presence and to determine the density of dislocations in the grain-boundary regions. There are 7 figures.

ASSOCIATION:

Tomskiy politekhnicheskiy institut imeni S.M. Kirova (Tomsk Polytechnical Institute imeni

S.M. Mirov)

SUBLITATED: Card 2/2

December 27, 1961

| Calculating the rate of contact melting Izv. vys. ucheb. zav.; fiz. no.6:132-138 | of sutectic systems. 62. (MIRA 16:1) |
|--|--------------------------------------|
| 1. Tomskiy politekhnicheskiy institut im | eni S. M. Kirova. |
| (Melting) | |
| | |

L 22509-65 EWT(m)/T/EWP(t)/EWP(b) IJP(c) JD/MLK

ACCESSION NR: AT4046814 S/0000/64/000/000/0044/0049

AUTHOR: Savitskiy, A.P., Savitskaya, L.K.

TITLE: Effect of impurities on pore formation along the grain boundaries

SOURCE: AN SSSR. Nauchny*y sovet po probleme zharoprochny*kh splayov. Issledovaniya staley i splayov (Studies on steels and alloys). Moscow, Izd-vo Nauka, 1964, 44-49

TOPIC TAGS: grain boundary, pore formation, technical cadmium, cadmium impurity, cadmium hardness, cadmium quenching, cadmium annealing, vacancy diffusion, volume diffusion

ABSTRACT: This paper is devoted to a clarification of the mechanism of pore formation along the grain boundaries of cadmium during repeated quenching, and to the effect of impurities on this process. Specially prepared technical cadmium was used for the samples; one half were tested after repeated quenching in water (1-30 times from 300C) the other half after annealing at 300C for one hour with slow cooling. The grain size, microscopic hardness, density and rate of contact melting were measured. Pores were clearly visible on the photomicrographs of the grain boundaries of technical cadmium after 10 quenching cycles. The mechanism of cadmium pore formation was found to be of the vacancy diffusion type. The increase in contact melting speed after the first quenching

Card 1/2

L 22509-65

ACCESSION NR: AT4046814

gradually changed to a decrease during subsequent quenching. After 5 quenching cycles the speed was equal to its initial value for unquenched samples, and after 30 cycles it was decreased 50%. The grain boundaries not only did not promote the penetration of the liquid phase into the interior of the sample, but even retarded this process. A number of reasons are given for the decrease in the contact melting speed. A study of technical cadmium subjected to repeated quenching and subsequent high-temperature annealing indicated that the impurities found along the grain boundaries during quenching accumulate slowly, but with sufficient speed so that diffusion of the internal grains can be detected. It is evident that the clogging of pores occurs as the impurities leave the boundaries. As a result of this study, new experimental data were obtained which indicate that the pores along the grain boundaries arise by means of the volume diffusion of the excess vacancies and atomic impurities. In the absence of impurities, pores are not produced or at least their formation is strongly inhibited. "The authors thank M.B. Makogan for supplying the pure cadmium." Orig. art. has: 3 figures.

ASSOCIATION: None

SUBMITTED: 16Jun64

ENCL: 00

SUB CODE: MM

NO REF SOV: 019

OTHER: 012

Card 2/2

JJP(c) JD ENT(m)/ENP(w)/ENA(d)/ENP(t)/ENP(b) 8/0126/64/017/006/0886/0891 L 15795-65 ACCESSION NR: AP4042047 AUTHOR: Savitskiy, A. P.; Savitskaya, L. K. TITLE: Investigation of pore formation in cadmium after repeated hardening SOURCE: Fizika metallov i metallovedeniye, v. 17, no. 6, 1964, 886-891 TOPIC TAJS: Cd, porosity, vacancy diffusion, microhardness, dislocation loop, ABSTRACT: Although porosity which leads to cracking and intercrystalline failure hardening during tensile tests has been the subject of numerous investigations, there is no unanimous theory on the nature of this imperfection. The authors undertook a study of porosity after repeated hardening of 3.5 mm diam. and 8 mm long Cd wire rod specimens. Six-hour annealing at 300 C was followed by furnace cooling, and repeated water quenching in cycles of 1 to 30 times. Density and microhardness were measured by standard methods. Boundary porosity was visible after the third hardening and density adversely affected. The authors attribute the boundary porosity to the diffusion of vacancies in the grain volume. They contend that the excessive number of vacancies which forms after each hardening affect the mechanical Card 1/2

L 15795-65 ACCESSION NR: AP4042047 properties of the cadmium grains. The increase in the grain microhardness of commercial Cd after repeated hardening may serve as an indication of an increased density of dislocation loops which form after the first hardening. Not all of these loops are dissolved because of the short holding period and repeated hardening enhances their density. Therefore, initially, microhardness increases continuously. After the hardening of zone molten 99.99% Cd pores were absent and changes in microhardness neglibible. The energy of vacancy formation in commercial Cd was calculated from the magnitude of changes in density after hardening and amounted to 8.5 - 0.8 Kcal/g.mol. A comparison with literary data leads to the conclusion that the mechanism of pore formation as a result of repeated hardening is, indeed, due to vacancies. Orig. art. has: 3 figures. ASSOCIATION: Sibirskiy fiziko-tekhnicheskiy institut (Siberian Physico-Technical Institute); Tomskiy politekhnicheskiy institut im. S. M. Kirova (Tomsk Polytechnic Institute ENCL: SUBMITTED: 25Mar63 012 OTHER: NO REF SOV: 018 SUB CODE: MM Card 2/2

ABDUSAMETOV, R.Kh.; SAVITSKAYA, L.N.

Gastric juice in the treatment of suppurative skin diseases.
Zdrav. Kazakh. 21 no.2:37-40.161. (MIRA 14:3)

1. Iz Semipalatinskogo meditsinskogo instituta.
(SKIN—DISEASES) (GASTRIC JUICE—THERAPEUTIC USE)

26975

s/026/61/000/009/002/003 DO51/D112

15.8070

Candidate of Chemical Sciences (Kiyev)

AUTHOR:

Savitskaya, M.I.,

TITLE:

Polyacrylamide

50 Priroda, no. 9, 1961, 93-94

TEXT: The author gives a brief survey of the production, characteristics, use, and possibilities of future application of polyacrylamide. In the USSR it was synthesized for the first time in 1957 by the Institut vysokomolekulyarnykh soyedineniy AN SSSR (Institute of High-molecular Compounds of the Academy of Sciences USSR). Its production is based on the effect of 84.5% sulphuric acid on acrylonitrile at 100-110°C for 2 hours, a process resulting, due to the saponification of acrylonitrile, in the formation of acrylamide and acrylic acid. Acrylamide is usually polymerized in an oxidation-reduction medium at 50-60°C for 10-12 hours. The molecular weight of the polymer is 5-6 X 106. In solvents such as distilled water and formamide its molecules are ball-shaped. The study of the solutions showed that polyacrylamide acts as a polyelectrolyte due to partial hydrolysis of its amide groups. Several institutes have tested polyacrylamide

Card 1/3

Polyacrylamide 26

26975

S/026/61/000/009/002/003 D051/D112

as a coagulant. All tests gave positive results. In the USSR it is now produced on an industrial scale and, though being in reality a copolymer with an admixture of calcium acrylate, it is not less soluble than laboratorial polyacrylamide and is a very efficient coagulant in industrial concentration, filtration, and precipitation processes in media with a pH from 3 to 9. In the potassium industry it has replaced starch, whose efficiency it exceeds by 20 times. Tests on river water samples, consisting in adding small amounts of polyacrylamide to the water, showed that the polymer quickly settles suspended mud particles. This can be of great importance for the purification of sewage water. A further characteristic of the polymer is growing activity on heating up to 80°C. The author explains the coagulative activity of the polymer in suspensions by its polyelectrolytic properties, which reduce the electrokinetic potential of the particles. Since 1957, on the suggestion of P.V. Vershinin, the Institute of High-molecular Compounds of the AS USSR has carried out tests with polymers as soil conditioners. Polyacrylamide proved to be the best. It is particularly efficient on heavy clayey soils, e.g. in the agricultural district near Leningrad. In an experimental hothouse of the Leningradskiy teplichnyy kombinat (Leningrad Hothouse Combine) polyacrylamide was used for growing tomatoes.

Card 2/3

Polyacrylamide

26975

S/026/61/000/009/002/003 D051/D112

The introduction of 10 g of this polymer per 1 m 2 resulted in a crop increase of 24%. Work carried out by the polymer section of the Ukrainskiy nauchno-issledovatel'skiy institut fiziologii rasteniy (Ukrainian Scientific Research Institute of Plant Physiology) showed that polyacrylamide can be introduced into the soil together with fertilizers. Polyacrylamide sprayed on granulated fertilizer (sulfite nitrophoska) also reduces the acidity of the soil solution and promotes growth of seeds (winter wheat). Research in this field is being continued. Polyacrylamide applied to quick-sands gave good results. The solid filmy layer forming on the sand surface is porous and permits the development of seeds. The roots of the plants still further stabilize the sands. The author considers that in the future polyacrylamide may be of great use in the textile industry. Positively charged polyacrylamide derivatives may be absorbed by negatively charged cellulose fibers, a property which can be successfully used for the processing of cloth. Russian soil scientists V.V. Dokuchayev, V.R. Vil'yams, and P.A. Kostychev are mentioned for their work in establishing the connection between the fertility of soils and their structures.

Card 3/3

KOTON, M.M.; SOKOLOVA, T.A.; SAVITSKAYA, M.N.; KISELNVA, T.M.

Synthesis of N-substituted methacrylamides. Part 3: N-alkylacryland N-alkylmethacrylamides. Zhur. ob. khim. 27 no.8:2239-2243 Ag 157.

(MLRA 10:9)

1. Institut vysokomolekulyarnykh soyedineniy Akademii nauk SSSR.

(Methacrylamide)

CIA-RDP86-00513R001447410009-1 APPROVED FOR RELEASE: 03/14/2001

580175K12417

AUTHORS:

79-2-30/64 Koton, E. M., Sokolova, T. A., Savitskaya, M. M.,

Kiseleva, T. 4.

TITLE:

Cases of Polymerization Inhibition of the Lonomers From the Arylmethacrylate Series (Sluchai zatrudnennoy polimerizatsii monomerov

ryada arilmetakrilatov).

PERIODICAL:

Zhurnal Obshchey Khimii, 1958, Vol. 28, Mr 2, pp. 417-421 (USSR).

ABSTRACT:

In the polymerization of arylmethacrylates it was found that the arylmethacrylates, which in the phenyl radical have the substituends in the ortho-position to the acyl radical, polymerize much more slowly than the corresponding paraisomers, independently of the character of the substituends. The polymerization conditions, the obtained results, as well as various methacrylates are shown in the table. The difference in the polymerization velocity between the methacryl ether of thymol and the methacryl ether of menthol is explained by the fact that the carbon atoms of the cyclohexane ring in the menthal ether are not arranged in one plane and thus the whole molecule is not as rigid as that of the thymol ether. In all given cases the polymerization inhibition can be explained by the screening effect of voluminous groups on the double binding. They disturb the access to the double binding of the free radicals of the benzoylperoxide which are volumi=

Card 1/2

Cases of Polymerization Inhibition of the Monomers From the Aryl- 79-2-30/64 methacrylate Series.

nous, too. The experimental conditions as well as the properties of the monomers and polymerization data are given. Special data are given for the methacrylethers of p-cresol, guaiacol, p-metoxyphenol, o - oxybenzylphenyl, thymol, and menthol which hitherto have not yet been described in technical literature.

There are 1 table, and 2 Slavic references.

ASSOCIATION: Institute for High-molecular Compounds AS USSR (Institut vysokomoleku=

lyarnykh soyedineniy Akademii nauk SSSR).

SUBMITTED: January 11, 1957.

AVAILABLE: Library of Congress.

Card 2/2

AUTHORS: Savitskaya, M. I., Frenkel', S. Ya.

76-32-5-17/47

TITLE:

The Fractional Composition and Some Hydrodynamic Properties of Polyphenylmethacrylamide (Fraktsionnyy sostav i nekotoryye gidrodinamicheskiye kharakteristiki polifenilmetakrilamida)

PERIODICAL:

Zhurnal fizicheskoy khimii, 1958, Vol. 32, Nr 5, pp. 1063-1067 (USSR)

ABSTRACT:

The investigation intended for the explanation of the influence of the relatively short chains on the brittleness of the above mentioned polymers showed that a wide distribution of the molecular weight with a maximum at 250000 is existing and that therefore the brittleness of the aryl derivatives of the N-substituted amides of metacrylic acid depends on the presence of strongly aromatic nuclei (benzene) in the side chains. From the mentioned experimental part can, among others, be seen that an oil centrifuge according to Svedberg (4000 revs./min) with an optical system according to Fil'pot-Svensson (Ref 5) was used, that the diffusion coefficient was measured on a Lamma apparatus and that the diffusion constant was calculated according to Boltzman-Gralen (Ref 9). The difference of the obtained results from the theory by Flori-Mandel'kern is ex-

Card 1/3

The Fractional Composition and Some Hydrodynamic Properties 76-32-5-17/47 of Polyphenylmethacrylamide

plained by the fact that molecules of the poly-M-phenylmethacrylamide do not swell so much in acetone as the side ramifications (phenyl groups) are steric hindrances to a solid block packing and a coagulation to compact nodes is not rossible. From the results can also be seen that the polymer consists of similar, not ramified chains, as otherwise the fractionating would take place loss according to the molecular weight than according to the ramification, Finally the authors mention that the poly-N-phenylmethacrylamide is a polydisperse high-molecular product with 50% of M) 350000 being present, and with the majority of the assumable molecules having at least M = 250000.

There are 4 figures, 1 table, and 13 references, 5 of which

are Soviet.

ASSOCIATION:

Akademiya nauk SSSR, Institut vysokomolekulyarnykh soyedineniy, Leningrad (Leningrad Institute of High-Molecular Compounds, AS USSR)

Card 2/3

BRESLER, S.Ye.; KOTON, M.M.; OS'MINSKAYA, A.T.; POPOV, A.G.; SAVITSKAYA, M.N.

Increasing polymer thermostability by cyclication in macromolecular chains with partial decorposition.

chains with partial decomposition. Vysokom.soed. 1 no.7:1070-1073
J1 '59. (MIRA 12:11)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR. (Polymers—Thermal properties)

ALDOSHIN, V.G.; SAVITSKAYA, M.N.; FRENKEL', S.Ya.

Some physicochemical characteristics of high molecular weight polyacrylamide. Vysokom. soed. 2 no. 3:347-353 Mr '60.

(MIRA 13:11)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

(Acrylamide)

VOIKOVA, A.I.; KOTON, M.M.; SAVITSKAYA, M.N.

Effect of the chemical structure of some unsaturated esters on

their polymerization capacity. Vysokom.soed. 2 no.5:802-805
My '60. (MIRA 13:8

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR. (Esters) (Polymerization)

Synthesis of polymeric soil conditioners. Nauch.trudy Ukr. nauch.-issl.inst.fiziol.rast. no.23:200-204 '62. (MIRA 16:2) (Soil conditioners) (Polymers)

ACCESSION NR: AT4033993

5/0000/63/000/000/0112/0116

AUTHOR: Bazilevskaya, N. P.; Savitskaya, M. N.

TITLE: Synthesis of polychelate compounds based on anthranilic acid and aminophenois

SOURCE: Geterotsepny*ye vy*sokomolekulyarny*ye soyedineniya (Heterochain macro-molecular compounds); sbornik statey. Moscow, Izd-vo "Nauka," 1963, 112-116

TOPIC TAGS: polymer, polychelate compound, soluble anthranilic resin, insoluble anthranilic resin, soluble aminophenolic resin, insoluble aminophenolic resin, polycondensation, polymerization anthranilic acid, formaldehyde, aminophenol, synthetic resin, metallic ion absorption, microfertilizer

ABSTRACT: Soluble and insoluble anthranilic (I and II), m-aminophenolic (III and IV), o-aminophenolic (V and VI) and P-aminophenolic (VII and VIII) resins were synthesized by polycondensation (38% formaldehyde with anthranilic acid or the appropriate aminophenol in an alkaline solution) in order to obtain resins with peak Fe, Cu or Zn ion absorption capacity for use as agricultural microfertilizers. Reaction times were generally 8 hours, temperatures 100-105C, resorcinol was added for I and II (10 times as much for II as for I), polycondensation was exothermic for I, III and IV, yields were 76, 85, 80, 80, 85, 66, 80 and 70% for I to VIII, Cord 1/2

ACCESSION NR: AT4033993

respectively. Polychelate compounds were then obtained by saturation of the synthesized resins with solutions of copper sulfate, zinc sulfate or ferric sulfate. Compounds based on soluble resins contained more metal and their absorption capacity ranged downward across the series III-I-V-VII for Fe, III-VII-I for Cu and VII-I-V-III for Zn. Orig. art. has: 3 tables and 2 graphs.

ASSOCIATION: Ukrainskiy nauchno-issledovatel'skiy institut fiziologii rasteniy (Ukrainian Scientific Research Institute for Plant Physiology)

SUBMITTED: 20Ju162

DATE ACQ: 30Apr64

ENCL: 00

SUB CODE: OC

NO REF SOV: 002

OTHER: 005

Card 2/2

SAVITSKAYA, M.M. [Savyts'ka, M.M.]; KHOLODOVA, Yu.D.; POSTORONKO, A.I.; GRIZODUB, A.P. [Hryzodub, A.P.]

New coagulating agents for the acceleration of brine purification in the production of scda. Khim. prom. [Ukr.] no.3:32-35 [MIRA 17:8]

1. Ukrainskiy nauchno-issledovatel skiy institut fiziologii rasteniy (for Savitskaya, Kholodova). 2. Slavyanskim sodovyy kembinat (for Postorouko, Grizodub).

SAVITSKAYA, M.N.; KHOLODOVA, Yu.D.

Polyacrylamide and its derivatives. Vysokom. soed. 6
no.3:493-498 Mr'64. (MTRA 17:5)

1. Institut fiziologii rasteniy AN UkrSSR.

10988-06 EWI(m)/EWP(1)/T/EWA(c) ACC NR AP6000006 UR/0080/65/038/011/2533/2537 AUTHOR: Korotkina, 0.Z.; Magdinets, Savitskaya, M.N ORG: Institute for High Molecular Compounds AN SSSR (Institut vysokomo-Eskin, lekulyarnykh soedineniy AN SSSR) Scientific Research Institute for Plant Pathology ASKhN UkrSSR (Nauchno-issledovatel'skiy institut fiziologii rastenly ASKhN UkrSSR) 4/35 Study of the properties of polyacrylamide TITLE: by the method of light scattering Zhurnal prikladnoy khimii, v.38, no.11, 1965, 2533-2537 SOURCE: TOPIC TAGS: nitrogen compound, light scattering, polymerization ABSTRACT: The object of the work was to establish a relationship between the characteristic viscosity on , and the molecular weight, M, for high molecular weight polyacrylamide using the method of light scattering for determination of the molecular weight. Polymerization of the acrylamide was carried out in an oxidation-reduction system in an aqueous medium in the presence of 0.5% potassium persulfate, 0.25% sodium hydrosulfate, and 0.14% triethanolamine, and in the presence of atmospheric oxygen. The polymerization? temperature was 500 for the first two hours, and then 600 for eight hours. The polymer was obtained as an 8% 1/2 Card UDO: 541.6

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ACC NR: AP6000006

aqueous solution. After dilution to 1%, the polyacrylamide was precipitated with acetone and dried in vacuum at 500. The yield was 97%. The product was a white slightly hygroscopic powder readily soluble in water Fractionation was done by solution in formamide, and 8 fractions were obtained. Measurement of the viscosity and the light scattering of the solutions was done at 200. To avoid ionization, the measurements were made in a 10% aqueous solution of sodium chloride. Viscosity was measured with an Ostwald viscometer with a flow time of 110 seconds for the solvent. The light scattering was measured on a "Sofika" photoelectric turbidometer and the results were interpreted by the method of double extrapolation. The measurements were carried out in a range of angles from 30 to 150° and at polymer concentrations of 0.20-0.65 and 0.03-0.10 for the low and high molecular fractions, respectively. The results are exhibited in tabular form. A plot, on a log-log scale, shows the dependence of the characteristic viscosity on molecular weight. Results are said to agree closely with previous results obtained by determination of the molecular weight by cementation and diffusion. Orig art. has: 8 for mulas, 2 figures, and 2 tables.

SUB CODE: 07/ SUBM DATE: 28 Nov 63/ ORIG REF: 005 OTH REF: 010

Card 2/2

NAGDASEVA, A.I.; SAVITSKAYA, N.F.

Intermedin in ophthalmology. Vest. oft. 73 no. 4:35-36 Jl-Ag '60.
(NIRA 14:1)
(PITUITARY BODY—SECRETION)
(EYE—DISEASES AND DEFECTS)

YAKUBSON, A.K.; SAVINYKH, N.M.

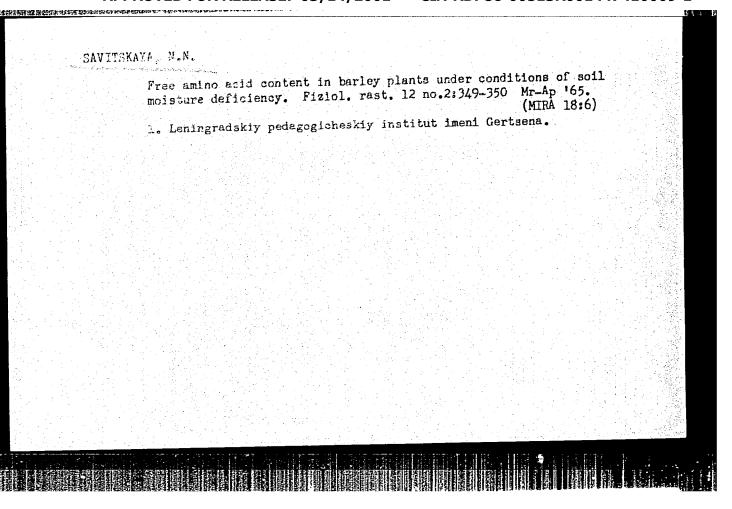
Late results in the treatment of syphilis. Vest. derm. i ven. 37 no.8:35-42 Ag 63 (MIRA 17:4)

1. Klinika kozlmykh i venericheskikh bolezney (zav. - kafedroy prof. A.K. Yakubson) Novosibirskogo meditsinskogo instituta i Novosibirskiy gorodskoy venerologicheskiy dispanser (glavnyy vrach A.M. Izmaylova).

SAVITSKAYA, N.N., Cand Biol Sci — (diss) "Effect of excessive soil humidification on certain physiological processes of barley."

Len, 1959. 16 pp (Min of Education RSFSR. Len State Pedag Inst im A.I. Gertsen. Chair of Botanies). 150 copies (KL, 40-59, 103)

2/



17(4), 30(1)

SOV/20-128-4-60/65

AUTHOR:

Savitskaya, N. N.

TITLE:

The Influence of Excessive Soil Moisture on the Barley Plant

at Different Periods of Its Development

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 4, pp 850-852

(USSR)

ABSTRACT:

The reasons for an unfavorable effect of the factor mentioned in the title are manifold, but on the whole they are due to a change of the root zone in which the oxygen content is reduced, while the content of carbonic acid increases (Ref 7). The main indications for the suffering of plants are: weakly developed root system, suppression of growth and development, reduced absorption of water and nutritive substances and finally reduced yield (Refs 3, 5, 6, 9-12). Most of the papers dealing with this subject neglected the changes of the plant's requirements during ontogenesis with respect to its surrounding. The present paper shall now supply this. The experiments made in plant incubators lasted over three years. Flooding and saturation of the soil to 100% was carried out in different developmental stages. Control plants were

Card 1/3

SOV/20-128-4-60/65

The Influence of Excessive Soil Moisture on the Barley Plant at Different Periods of Its Development

cultivated in a soil saturated to 70% of its total moisture capacity. Tables 1 and 2 show the results. Thus the author could prove that a flooding of the soil during early stages of development inhibits growth and development of the plant. The absorption functions of the root system are reduced with regard to water and basic nutritive substances, the activity of oxidation processes is increased. All this considerably reduces the crop. Despite of an increased activity of the respiratory ferments and of the suppressed absorption functions with regard to some nutritive elements, flooding of the soil during the crucial period (from the formation of tetrads to earing) has no such destructive effect on the crop. Excessive soil moisture (100% of its total capacity) hardly reduces the yield of grain, but considerably accelerates processes of growth. There are 2 tables and 12 Soviet references.

ASSOCIATION: Leningradskiy gosudarstvennyy pedagogicheskiy institut im. Card 2/3 A. I. Gertsena

SOV/20-128-4-60/65

The Influence of Excessive Soil Moisture on the Barley Plant at Different Periods of Its Development

(Leningrad State Pedagogical Institute imeni A. I. Gertsen)

PRESENTED: June 12, 1959, by A. L. Kursanov, Academician

SUBMITTED: June 5, 1959

Card 3/3

SAVITSKAYA, N.N.

Effect of excessive soil moisture on barley during various periods of development. Uch.zap.Ped.inst.Certs. 249:285-294 '63.

(MIRA 17:12)

1. Leningradskiy gosudarstvennyy pedagogicheskiy institut imeni A.I.

Gertsena.

SAVITSKAYA, N. V. Cand Chem Sci

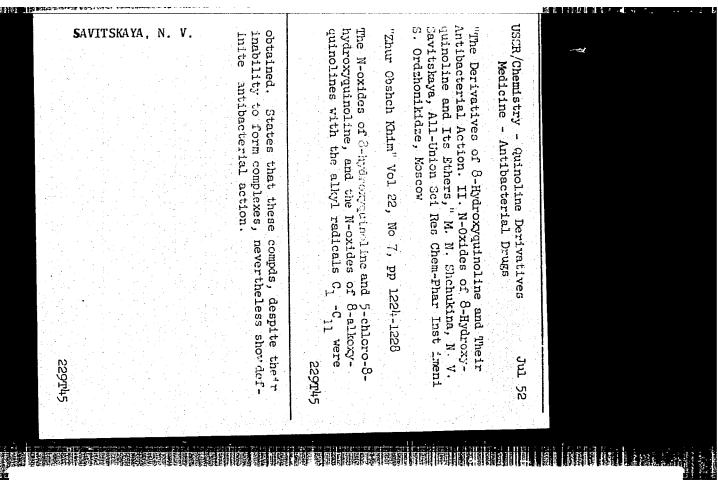
Dissertation: "Investigation in the Series of &-Oxyquinoline Derivatives for Discovering the Substances with Antibacterial Activity." 22/11/50

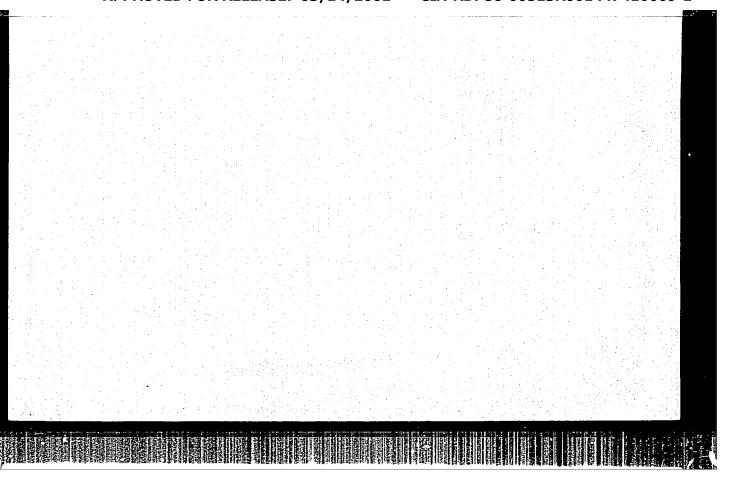
All-Union Sci was Chemicopharmaceutic Inst imani Sergo Ordznonikidza

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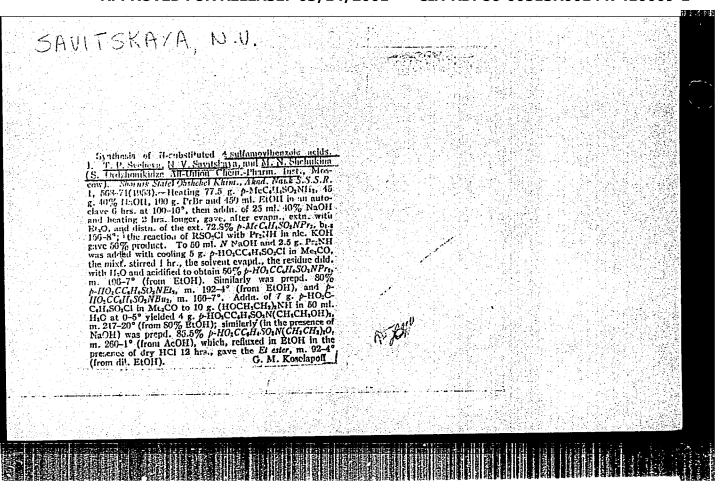
Sum 71

| SAVITSKAYA, N. V. | | | | |
|-------------------|---|--|--|--|
| | with the alkyls C3 - C16; 5-nitro-8-butoxyquino-line, 5-acetamino-8-butoxyquinoline, 5,7-dibromo-8-butoxyquinoline, and 5,7-dichloro- and 5,7-di-bromo-8-octyloxyquinolines. All these compds are characterized by antibacterial and anti-enzyme (anti-indophenoloxidase) action. | "Zhur Obshch Khim" Vol 22, No 7, pp 1218-1224 The following compds were synthesized: 8-phenoxyquinoline, with its p-amino-, p-acetamino-, and F-hydroxyderivatives, and 5-phenoxy-8-methoxyquinoline; a series of 8-alkoxyquinolines | USSR/Chemistry - Quinoline Derivatives Medicine - Antibacterial Drugs "The Derivatives of 8-Hydroxyquinoline and Their Antibacterial Action. I. 8-Aryloxyquinolines and 8-Alkoxygninolines," M. N. Shchukina, N. V. Savitskaya, All-Union Sci Res Chem-Phar Inst imeni S. Ordzhonikidze, Moscow | |
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| 701. 48 No. 5 | The derivatives of 8-hydroxyguinoline and their anti- bacterial activity. 1. 8-Aryloxy- and Ralloxyguinoline | |
| 10. 1954 | bacterial activity. I. 8-Arylloxy and B-alkoxyquinolines. M. N. Sheintkina and N. V. Savltskaya (S. Ordzhonikidze Alt.) upp. Research Inst. Pharm. Chem., Moscow). | |
| Orangic Chemistry | Gen. Care. U.S.A. R. 22, 1203-5(1952) (Engl. translation). See C.A. 47, 7505f. II. The Noxides of 8-hydroxy quinciline and its others. | |
| | quinoline and its others. Ibid. 1269-72.—See C.4. 47 | |
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SAVITSKAYA, N.V.

USSR/Chemistry - Pharmaceutics

Card 1/1 Pub. 151 - 28/36

Authors : Savitskaya, N. V., and Shchukina, M. N.

Title : Synthesis of phenothiazine-l-carboxylic acid derivatives

Periodical: Zhur. ob. khim. 24/1, 152-156, Jan 1954

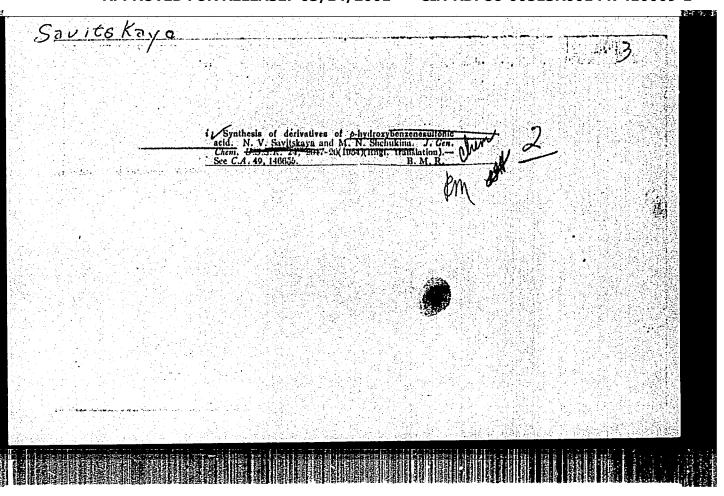
Abstract: Various amides and hydrazides of phenothiazine-l-carboxylic acid and some of their derivatives were synthesized and their anti-bacterial (anti-tubercular) effects were investigated. The effect of a thionyl chloride surplus, phos-

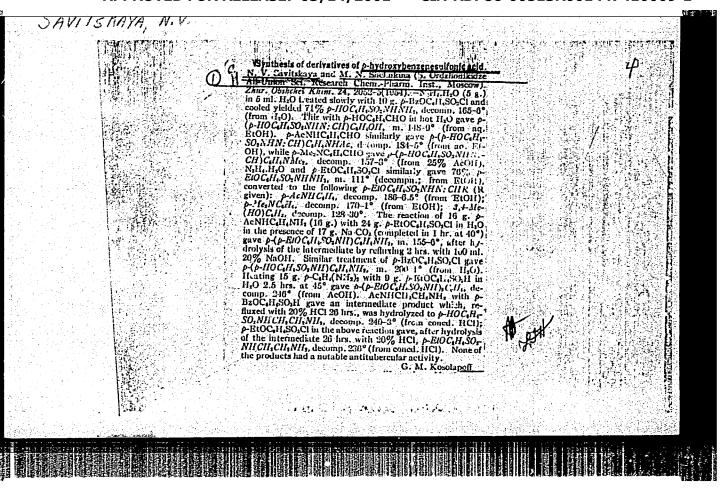
effects were investigated. The effect of a thionyl chloride surplus, phosphorous oxychloride and phosphorous pentachloride on phenothiazine-l-carboxylix acid, is explained. The synthesis of acid chloride of trichlorophenothiazine-l-carboxylic acid, according to Curtius, results in the formation of

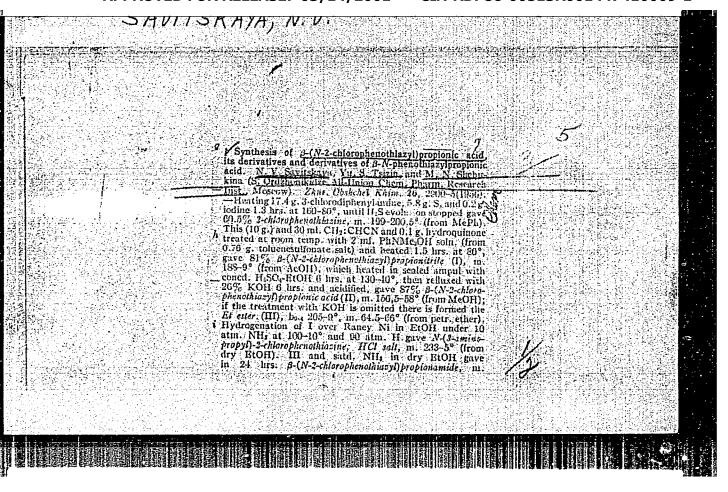
an imidazole cycle. Six references: 3-USA; 2-USSR and 1-German (1944-1953).

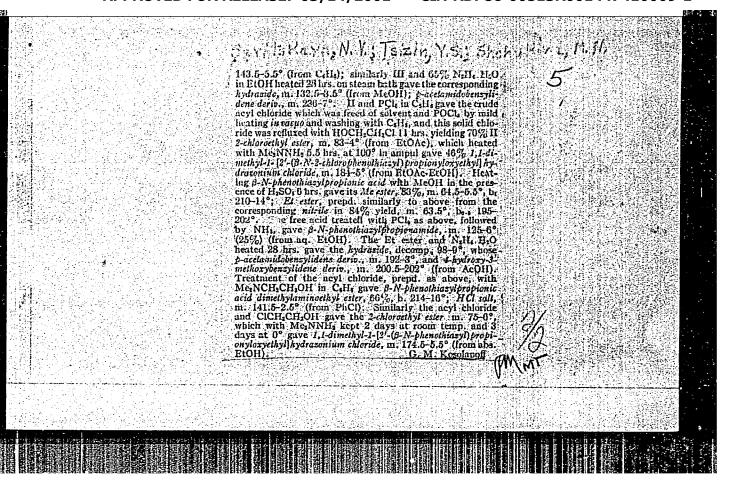
Institution: All-Union Scientific Research Chemical-Pharmaceutical Institute

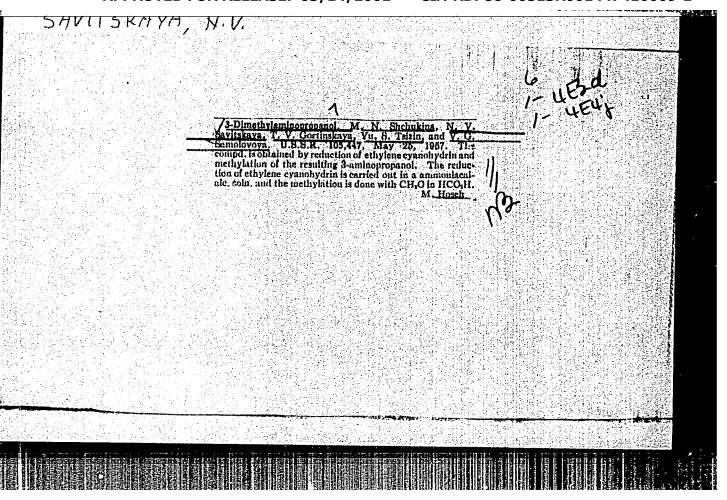
Submitted: July 14, 1953









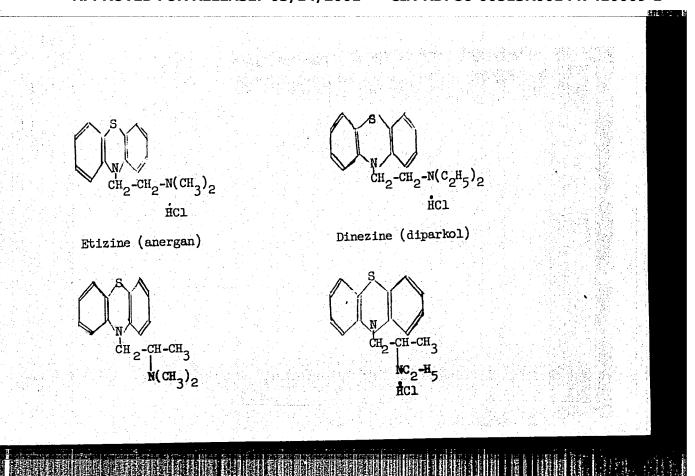


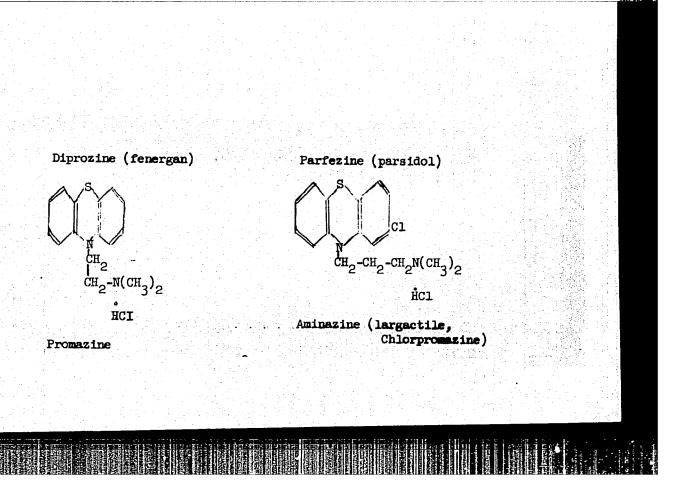
122. Synthesis of Aminazine and Other Phenothiazine Derivatives

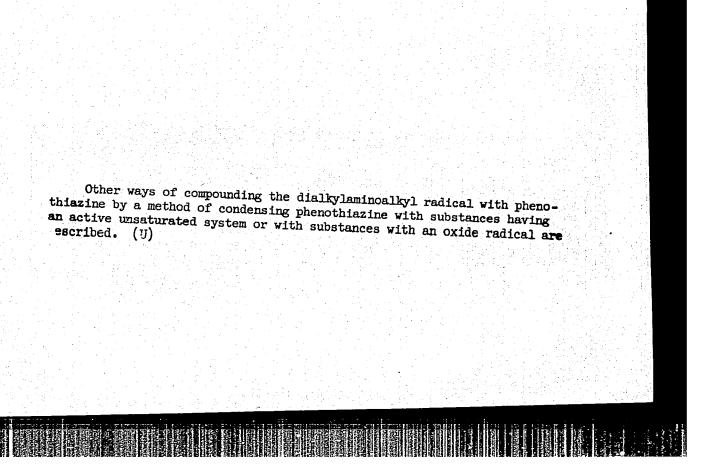
"On the Synthesis of Aminazine and Its Analogues," by N. M. Shchukina, N. V. Savitskaya, and Yu. S. Tsizin, All-Union Scientific-Research Chemicopharmaceutical Institute imeni S. Ordzhonikidze, Meditsinskaya Promyshlennost' SSSR, Vol 11, No 3, Mar 57, pp 20-24

This article describes a method of synthesizing aminazine and its analogues--etizine, dinezine, diprozine, and mul'tezine -- all phenothiazine derivatives. All have been found to possess important pharmacological properties, i.e., they act as spasmolytics and sedatives, affect the

central nervous system, and are used as therapeutic agents in nervous diseases and in the practice of psychiatry. Aminazine is the only one of the group of phenothiazine derivatives in which there is substitution in the nucleus. In all other cases, only the nitrogen is replaced by Nalkylaminoalkyl radicals. They are easily synthesized by the heating of phenothiazine with haloidoalkyl-aminoalkyl compounds and alkaline reagents. The best results are obtained when condensation is carried out with sodium hydroxide, with the water and immiscible solvents -- benzene and toluci -- being continuously drained off, a method developed at the experimental by L. I. Morozovskaya and M. A. Vorob'yev. N-dialkylaminoalkylphenothiazines are obtained having the following structural formulas:







GORTINSKAYA, T.V.; SAVITSKAYA, N.V.; SAMOLOVOVA, V.G.; TSIZIN, Yu.S.;
SHCHUKINA, M.N.

Obtaining dimethylaminopropanol from ethylene cyanohydrin, Med.
prom. 11 no.4:23-25 Ap '57.

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni S.Ordzhonikidze.
(PROPANOL) (HYDRACRYLONITRILE)

SAVITSKAYA, N.V.; SHUKINA, M.N.

Synthesis of 3-(β-aminoethy)kindazole. Zhur. ob. khim. 31
no.3:1015-1018 Mr '61.

(MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze.

(Indazole)

SAVITSKAYA, N.V.; SHCHUKINA, M.N.

Synthesis of 5-amino-3-β (aminoethyl)indazole. Zhur.ob.khim. 31 no.6:1924-1926 Je '61. (MIRA 14:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze. (Indazole)

SAVITSKAYA, N.V.; TARASEVICH, Ye.S.; SHCHUKINA, M.N.

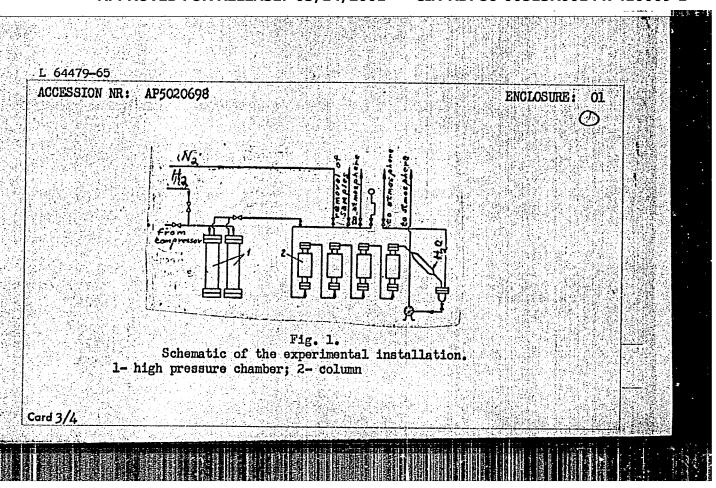
Some derivatives of 5-nitro- and 5-amino-3-indazolecarboxylic acid. Zhur.ob.khim. 31 no.10:3255-3257 0 '61. (MIRA 14:10)

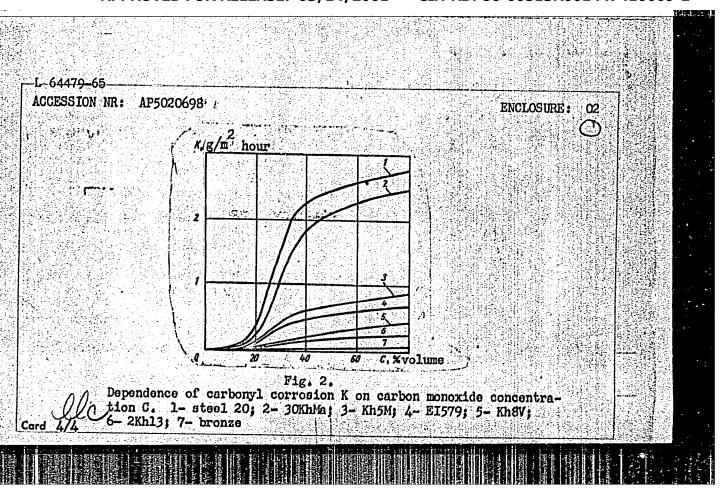
1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.

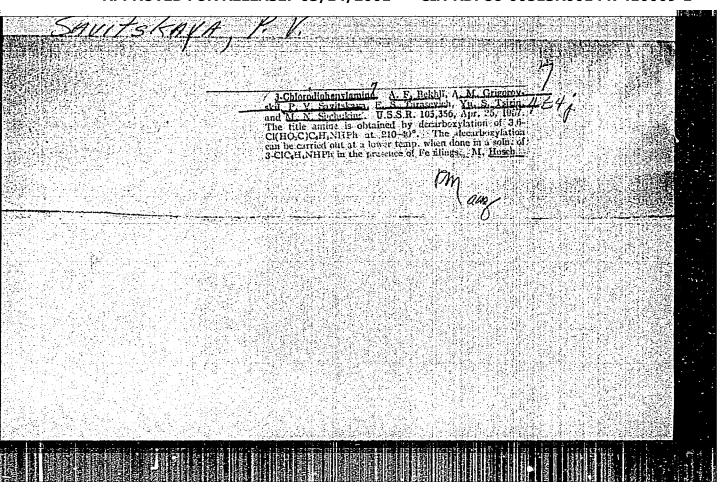
(Indazolecarboxylic acid)

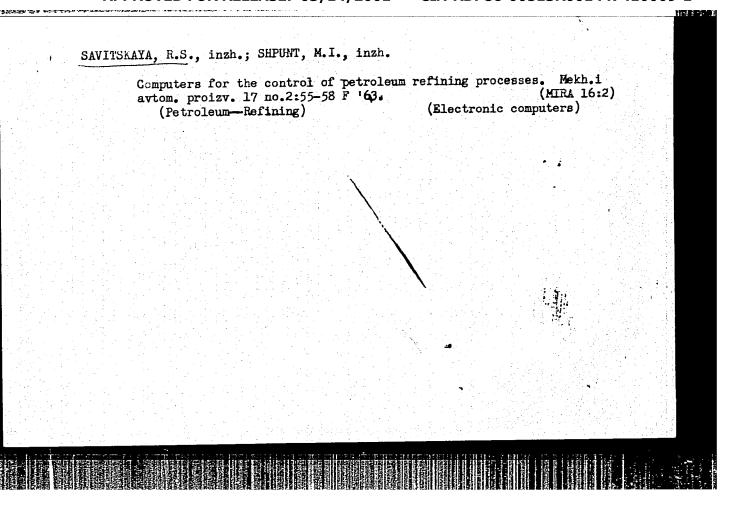
64479-65 EWT(m)/EPF(c)/EWA(d)/EWP(t)/EWP(z)/EWP(b) LJP(c) MJW/JD/JG/WB ACCESSION NR: AP5020698 UR/0314/65/000/008/0016/0019 620.193:669.15:547.26:536.46:539.893 AUTHOR: Savitskaya, O. P. (Engineer) 14,55 TITLE: Investigation of carbonyl corrosion of metals, SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 8, 1965, 16-19 TOPIC TAGS: carbon monoxide, corrosion, aluminum, copper, copper alloy, steel alloy ABSTRACT: The aim of the investigation was to clear up existing inconsistencies in the literature regarding the protective effect of chromium on steel subject to carbonyl corrosion. The steels, metals, and alloys studied were: 20 30KhMA, E1579 Kh5M, Kh8V, Kh13 Kh18N9T, Kh21N5T, Kh21N6M2T, Kh25T, St3 electroplated with Cu, St3 thermodiffusion chrome-plated with 0.05 mm thick layer of 22% Cr, Al, Cu, brass) bronze, and Ti. The experiments were carried out on the installation shown schematically in Fig. 1 on the Enclosure. The experimental results are shown graphically in Fig. 2 on the Enclosure. It is concluded that the rate of corrosion increases with increase in the CO pressure, and that the maximum rate of corrosion occurs in the temperature interval of 175-2500. Orig. art. has: Card 1/4

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BURYAK, V. A.; SAVITSKAYA, T. L. [Savyts'ka, T. L.]

Basic parameters of the operating conditions of new rectifications columns of a tar distillation plant. Khim. prom.[Ukr.] no.1:19-22 Ja-Mr '62. (MIRA 15:10)

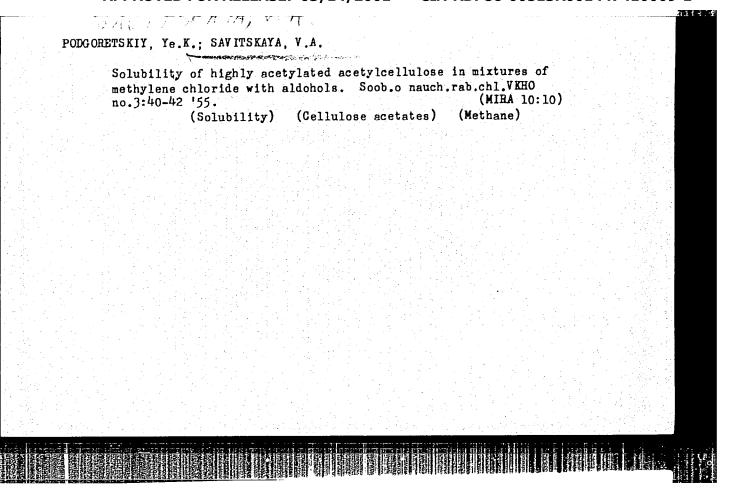
1. Dneprodzerzhinskiy koksokhimicheskiy zavod.

(Distillation apparatus)
(Coke industry—By-products)

KOLGANOV, T.S.; SAVITSKAYA, T.L.; SHEVCHENKO, A.P.

Experience in the operation of lime-ammonium shops. Koks.
i khim. no.1:33-36 *64. (MIRA 17:2)

1. Dneprodzerzhinskiy koksokhimicheskiy zavod.



SAVITSKAYA, V. A.

"Late Autumn Sowing of Spring Wheat, Barley, Oats, and Millet as a Method of Improving Seed Quality in the Altai Kray." Cand Agr Sci, All-Union Sci Res Inst of Plant Growing, Leningrad, 1953 (RZhBiol, No 6, Nov 5h)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001447410009-1"

SAVITSKAYA, Vinco-kandidat sel'skokhozyaystvennykh nauk,

Harvesting grain in separate stages in Kulunda Steppe. Zemledelie
5 no.7:77-78 Jl '57. (MIRA 10:8)

1. Slavgeredstaya selektsionno-opytnaya stantsiya.

(Kulunda Steppe--Grain--Harvesting)

COUNTRY USSR Cultivated Plants. Grains. CATEGORY ABS. JOUR. : RZBiol., No. 21, 1958, No. 95924 Savitskaya, V. ROHTUA INST. : Hard Wheat in the Altai TITLE ORIG. PUB. : 3.kh.Sibiri, 1957, No.10, 21-26 The soils of the Altai ere favorable for the cultivation of hard wheat, but in regard to ABSTRACT the blological peculiarities of hard wheat and the climatic conditions of the region, it is essential while raising this crop to pro-vide mesures for the accumulation, protection and correct use of soil moisture. It is expedient when virgin soil is lacking to sow it on fallows. Two varieties, Gordeiforme 10 and Melyanopus 69, are districted and the

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| Country CATEGORY | • • • • • • • • • • • • • • • • • • • | М | 1 |
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| | ! RZHiol., No. 21, 1958, No. 95924 | | |
| AUTHOR INSY, TITEZ | | | |
| ORIG. PUB. | | | |
| ABSTRACT | : Kner'kov variety is considered prom | ising. | |
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| Zemledelie 6 no.5:47-50 My '58. (Siberia, Western-Wheat) | ! | ~~* | - | ė. | S | OI OI | ne n1 | p ad | T(| u | 11 8 | ar 6 | 11 no | 1 | 9 8 5 : | 47 | of 7_ | | | | | | | | | | | | | | | | We | st | e | () | S MI | ib RA | er: 1 | ia. 1:6 | 5) | | | | - | |
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YAKUBTSINER, M.M.; SAVITSKAYA, V.S.
Wheat

Late fall sowing of spring wheat. Sov.agron. 10 no. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952/951, Unclassified.

50. External Use of Ronidaza Effective in the Therapy of Burns, Ulcers, Rematamas

"Ronidaza Preparation," by V. V. Savitskaya, Izobretatel'stvo y SSR, Vol 4, Apr 57, pp 15-18

Ronidaza, an enzymatic substance prepared at the Central Institute of Traumatology and Orthopedics at Moscow, under the guidance of Prof N. N. Priorov, Corresponding Member of the Academy of Sciences USSR, N. N. Priorov, Corresponding Member of the Academy of Sciences USSR, has been approved by the Pharmacological Committee of the Ministry of Health USSR for extensive use since October 1956.

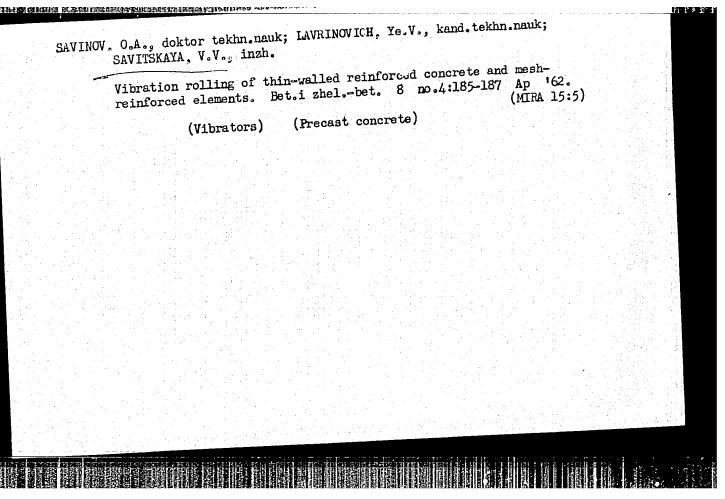
Ronidaza preparation was used at the polyclinic and statsionar (inpatient hospital) of the Central Institute of Traumatology and Orthopedics for the treatment of more than 300 patients with burns, postoperative scars, contractures following inflammatory processes, slow-healing ulcers, and during preparatory periods for plastic skin operations and in treating trachoma. Favorable results included the softening of scar tissue, increased amplitude of motion of joints, and clean surface of wounds. It simplified the course of plastic skin operations when used during the preparatory period so that in certain cases an operation became unnecessary.

An advantage of ronidaza is that it may be used externally (moist compresses), whereas foreign hyaluronidase preparations are used for injection only. Since ronidaza can alter tissue permeability, it can be used to increase the distribution of other substances, such as drugs and antibiotics, in the organism. The simultaneous use of ronidaza with penicillin increases the absorption of the latter. Ronidaza activity is increased by its simultaneous use with vitamins, especially with vitamin C.

Ronidaza preparation was tested at the hospital of the Central Institute of Traumatology and Orthopedics for 3 years, and results prove that ronidaza is most effective in treating patients with contractures and scars of relatively short duration (1-2 years). Data also indicate that good results were obtained when ronidaza was accompanied by exercise.

At present, ronidaza preparation is manufactured at the serum producing plant of Myasokombinat imeni Mikoyan, and in the near future it will be released to the pharmaceutical network for sale. (U)

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| 하는데 한국생들은 사는 호텔을 받아 보는 경기를 받아 되었다. 생물을 받아 들고 보는 물이 안 보다는 것은 것이다. | |
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| SOURCE: Zhurnal prikladnoy k-imii, v. 38, no. 8, 1965, 1863-1866 TOPIC TAGS: metal film, indium compound, crystal structure, tantalum, nickel, quartz, molybdenum glass, flund decomposition, distributed layer, electron all composition of electron action. ABSTRACT: T-in (0.06 - 1\mu) In203 films were produced on various substrates (tantalum, nickel, quartz, and molybdenum glass) by thermal decomposition of (tantalum, nickel, quartz, and molybdenum glass) by thermal decomposition of (c5H702)3In-vapor. The dielectric layers of In203 had a resistivity of ~1012 ohm (c5H702)3In-vapor. The dielectric layers of In203 had a resistivity of cm. This was such higher than the resistivity of the In203 films (103 - 106 ohm com. This was such higher than the resistivity of the In203 films (103 - 106 ohm com obtained by other methods: vaporization of In in a vacuum with subsequent oxidati obtained by other methods: vaporization of In in a vacuum with subsequent oxidati composition of the substrate. It was 3000 on quartz and glass, 4000 qn nickel, composition of the substrate. It was 3000 on quartz and glass, 4000 qn nickel, and 6500 on tantalum. The 3000 temperature was also optimum for the formation of and 6500 on tantalum. The 3000 temperature was also optimum for the formation of the substrate. | 2 ohm. ohm co) idation, n the |
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high-resistivity films (10¹⁰ - 10¹² ohm cm) on quartz and glass. Films with lower resistivity were formed on corresponding substrates at temperatures higher than indicated above. Electron diffraction phase analysis showed that the production of high-resistivity films was related to changes in the film structure affected by the temperature. The films deposited on quartz at 3800 and on glass at 3500 had an amorphous structure (blurred rings in the electron diffraction picture) and high resistivity. The films, formed on glass at 4000 had more distinct rings in their electron diffraction pictures. This indicated a greater ordering of the structure, which evidently affected the decrease in resistivity. Films of the required resistivity could thus be produced by selection of the proper deposition temperature. However, there was a threshold temperature above which the films became contaminated with carbon, liberated by the decomposition of reaction products. For the quarts substrate this temperature was 5000 and for tantalum, 7500. The termination of film formation could be determined by the observation of its resistivity without visual examination. The author thanks I.A. Zernova and V.U. Antokhina for assistance during the experiments. Crig. art. has: 3 figures and 1 table.

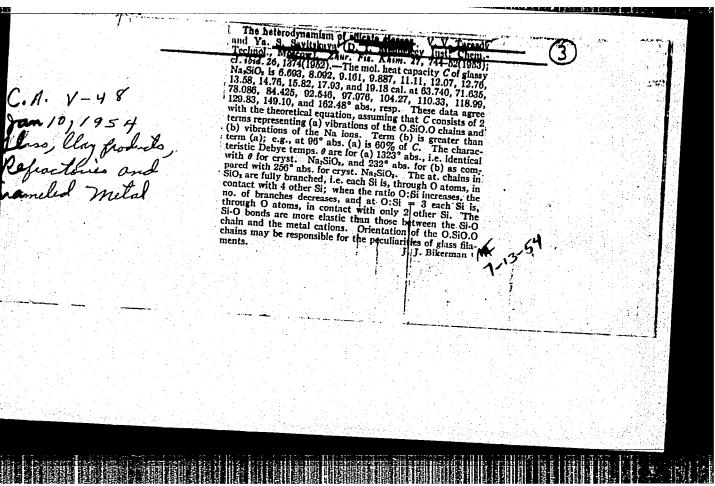
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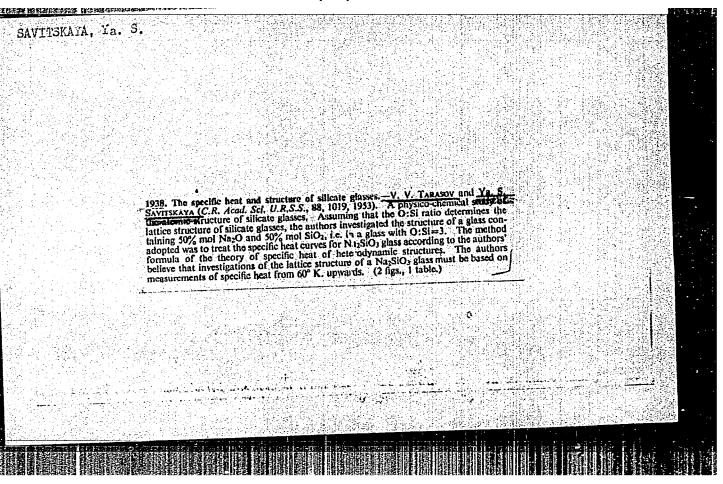
2/200

SAVITSKA, Ya. S.

SAVITSKA, Ya. S. -- "Study of the Structure of Sodium-Silicate Glass on the Basis of the Theory of Specific Heat." Sub 17 Dec 53, "Oscow Order of Lenin Chemicotechnological Inst imeni D. I. Mendeleyev. (Dissertation for the Degree of Candidate in Chemical Sciences).

SO: Vechernaya Moskva January-December 1952





SOV-109-3-6-26/27

AUTHORS: Savitskaya, Ya. S., Vikhlyayeva, R. P., Alpatova, N. M.

TITLE: An Interdepartmental Seminar on Cathode Electronics (7th Session) ((Mezhduyedomstvennyy seminar po katodnoy elektronike

(7-e zasedaniye))

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol 3, Nr 6, p 854 (USSR)

ABSTRACT: On the 3rd February 1956 a Session of the Interdepartmental Seminar took place in the Institute of Radio Engineering and Electronics of the Soviet Academy of Sciences. During the meeting 6 lectures were delivered. A. A. Maklakov and Ye. P. Ostapchenko dealt with the new method of preparing barium and barium-calcium aluminates and tungstates. L. Ya. Smoktiy presented the results of her work on the improvement of the processing of sintered cathodes. The lecture of R. M. Rybakova dealt with the investigation of oxide suspensions for directly heated cathodes. A. P. Iyevlev spoke of the production technology and the methods of control of a new barium getter. N. I. Ekivina considered the problem of application of the electro-osmosis for the investigation of the electro-phoresis of alundum suspensions. The paper of

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SOV-109-3-6-26/27

An Interdepartmental Seminar on Cathode Electronics (7th Session)

Yu. N. Buznikov analysed the causes and the mechanism of
the darkening of alundum coatings during the preparation
the darkening of the electron tubes.

SUBMITTED: March 14, 1958

Card 2/2 1. Electron tubes - USSR

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001447410009-1"